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June 1962

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PHOTOGRAPHIC INTERPRETATION REPORT

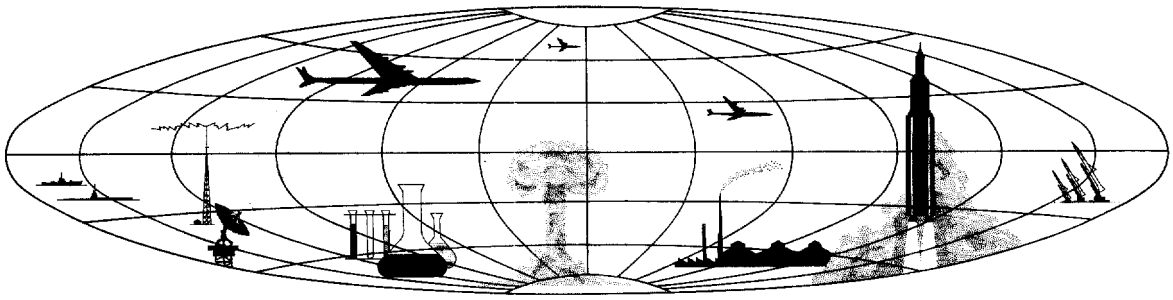
IPIR

MISSION

16 JUNE 1962

ARMY NAVY AIR FORCE CIA

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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GROUP 1 Excluded from automatic downgrading and declassification 25X1

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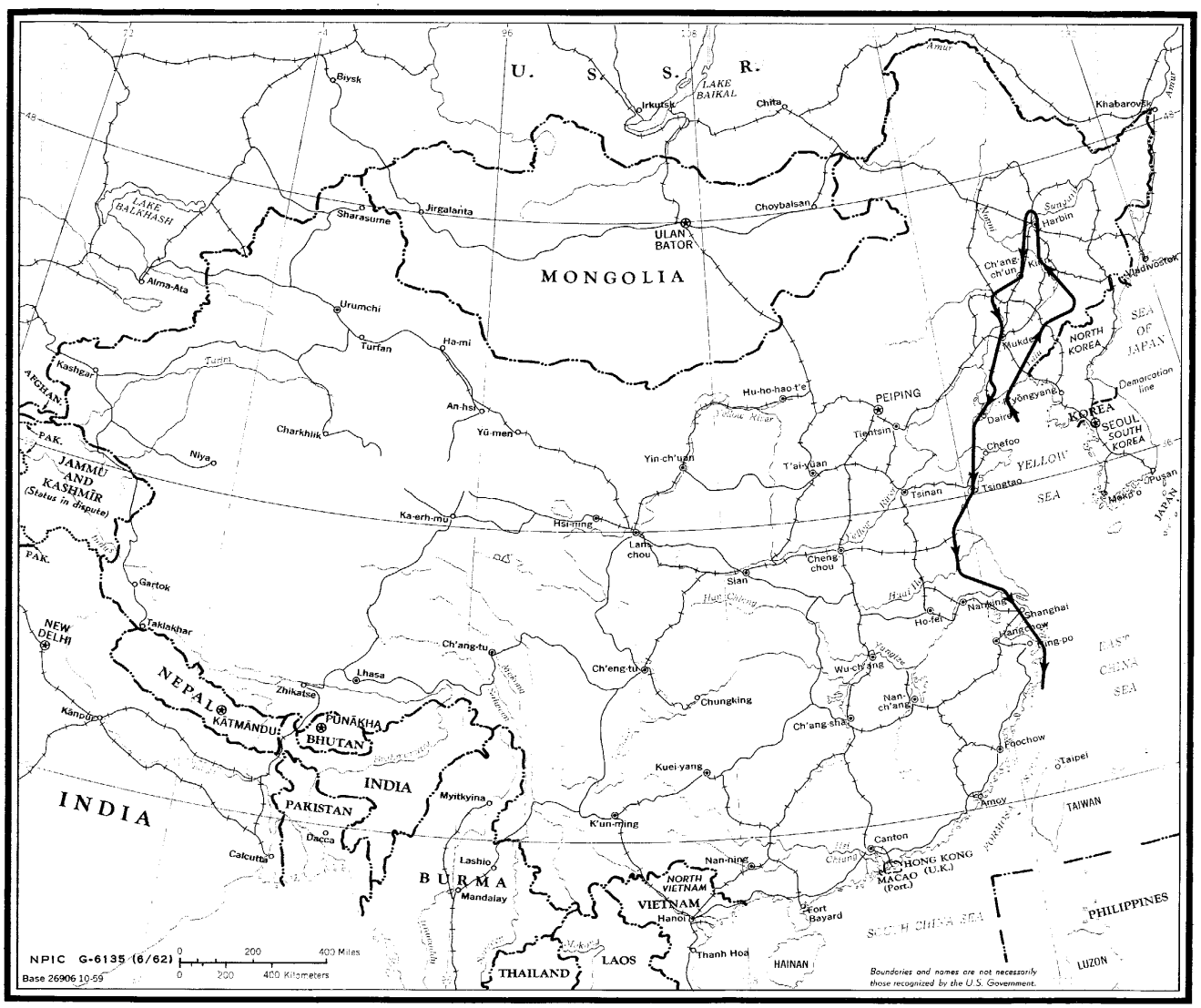

APPROXIMATE TRACK OF MISSION GRC 112

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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

IMMEDIATE PHOTOGRAPHIC INTERPRETATION REPORT

CHURCH DOOR MISSION GRC 112, DATE OF INFO 16 JUNE 1962.
THE FOLLOWING INFORMATION REPRESENTS THE PRELIMINARY INTERPRETATION
25X6 OF AERIAL PHOTOGRAPHIC MATERIAL MADE AVAILABLE TO THE US GOVERNMENT [redacted]

-AIRFIELDS-

AN-TUNG AIRFIELD 4001N 12417E

7.5 NM SW OF AN-TUNG.
APPROXIMATELY 6,600 X 200 FT N/S CONCRETE RUNWAY,
SERVICEABLE.
AIRCRAFT -- NONE OBSERVED.

25X1 [redacted]

CHANG-CHUN AIRFIELD WEST 4352N 12521E

2 NM NW OF CHANG-CHUN.
7,500 X 200 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.
SUPPORT AREA AND AMMUNITION STORAGE SE OF RUNWAY.
AIRCRAFT -- 35 BAT, 2 COLT, AND 3 CREEK OBSERVED.

25X1 [redacted]

CHANG-CHUN AIRFIELD NW 4355N 12518E

AIRFIELD SITE OCCUPIED BY INDUSTRIAL PLANT.

25X1 [redacted]

CHANG-CHUN AREA, AIRFIELD 4359N 12511E

NO AIRFIELD OBSERVED AT 43-59N 125-11E.

25X1 [redacted]

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CHIANG-WAN AIRFIELD 3120N 12130E

5.5 NM NNE OF SHANGHAI RAILROAD STATION.
7,300 X 280 FT N/S CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- 14 FAGOT/FRESCO.

25X1 [redacted]

CHIAO-HSIEN AIRFIELD 3619N 12002E

2.5 NM NNE OF CHIAO-HSIEN.
APPROXIMATELY 6,600 X 200 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE. PARALLEL TAXIWAY.
AIRCRAFT -- APPROXIMATELY 41 BEAGLE.

25X1 [redacted]

CHIN-CHOU AIRFIELD SE NO 1 3904N 12145E

7 NM SE OF CHIN-CHOU.
6,300 X 240 FT NNE/SSW RUNWAY, PROBABLE ASPHALT SURFACE, SERVICEABLE.
AIRCRAFT -- NONE.

25X1 [redacted]

CHIN-CHOU AIRFIELD SE NO 2 3903N 12149E

AIRFIELD ABANDONED, RETURNED TO AGRICULTURE.

25X1 [redacted]

CHOU-SHUI-TZU AIRFIELD 3858N 12133E

SOUTH OF CHOU-SHUI-TZU.
7,100 X 230 FT AND 6,200 X 230 FT RUNWAYS, BOTH WNW/ESE, CONCRETE, AND SERVICEABLE. 4,900 X 300 FT NNW/SSE AND 2,000 X 250 FT NNE/SSW RUNWAYS, BOTH ASPHALT, AND SERVICEABLE.
AIRCRAFT -- 43 FAGOT/FRESCO.

25X1 [redacted]

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FENG-CHENG AIRFIELD EAST 4028N 12409E

3 NM EAST OF FENG-CHENG.
6,800 X 200 FT E/W CONCRETE RUNWAY, PROBABLY SERVICEABLE. FIELD APPEARS INACTIVE. NUMEROUS AIRCRAFT REVETMENTS SCATTERED AROUND FIELD.
AIRCRAFT -- NONE.

25X1 [redacted]

FU-HSIEN AIRFIELD 3940N 12146E

8,200 X 200 NE/SW CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- 39 POSSIBLE FAGOT/FRESCO.

25X1 [redacted]

HARBIN AIRFIELD SE 4545N 12641E

LOCATED BETWEEN THE OLD AND NEW CITIES OF HARBIN, 2.4 NM SE OF HARBIN CENTRAL RAILROAD STATION.
SOD LANDING AREA. 3 HANGARS ON WEST SIDE OF FIELD.
AIRCRAFT REVETMENTS ON NORTH, EAST, AND SOUTH SIDES OF FIELD.
AIRCRAFT -- ONE CAB, 3 BAT, 3 PROBABLE BAT, 5 COLT, AND 8 UNIDENTIFIED S/E.

25X1 [redacted]

HUA-CHIA-TUN AIRFIELD 3916N 12205E

3.3 NM SE OF HUA-CHIA-TUN.
6,500 X 350 FT N/S CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- NONE.

25X1 [redacted]

HUNG-CHIAO AIRFIELD 3112N 12120E

4.6 NM WEST OF SHANGHAI.
7,600 X 230 FT N/S CONCRETE RUNWAY, SERVICEABLE.
AMMUNITION STORAGE AREA NNE OF AIRFIELD.
DEFENSES -- FOUR 6-GUN AAA OCCUPIED POSITIONS.

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AIRCRAFT -- 21 FAGOT/FRESCO.

25X1

KA-CHIA-PA AIRFIELD 3954N 12350E

2 NM NE OF TSAO-ERH-SHAN.
APPROXIMATELY 7,000 X 200 FT NNW/SSE PROBABLE GRADED EARTH RUNWAY, UNSERVICEABLE. AIRFIELD APPEARS ABANDONED.
AIRCRAFT -- NONE.

25X1

KAI-YUAN AIRFIELD 4231N 12400E

6.5 NM SW OF KAI-YUAN, 2.5 NM WSW OF SUN-CHI-TAI.
6,700 X 200 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE. PARALLEL TAXIWAY WITH 4 CROSSOVER LINKS. RAIL-SERVED POL STORAGE AREA EAST OF RUNWAY. ROAD-CONNECTED AMMUNITION STORAGE AREA CONTAINING 10 BUILDINGS.
AIRCRAFT -- 55 FRESCO/FAGOT.

25X1

KAO-MI AIRFIELD 3623N 11942E

2 NM WNW OF KAO-MI.
6,600 X 200 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- NONE OBSERVED.

25X1

KU-SHAN AIRFIELD 3953N 12333E

2 NM SW OF KU-SHAN.
AIRFIELD ABANDONED. MANY ROADS CROSS RUNWAY.

25X1

KU-SHAN-TZU AIRFIELD 4201N 12544E

ONE NM SW OF TIAO-YU-TAI.
6,400 X 240 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.

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AIRCRAFT -- 27 FRESCO.

25X1

KU-TIEN-TZU AIRFIELD 4401N 12623E

1.5 NM NE OF KU-TIEN-TZU RAILROAD STATION, 11 NM NW OF CHI-LIN.
APPROXIMATELY 6,400 X 200 FT NE/SW PROBABLE CONCRETE RUNWAY. 2 SMALL HANGARS. STORAGE, ADMINISTRATIVE, AND HOUSING AREAS LOCATED SE OF RUNWAY. AN AIRCRAFT MAINTENANCE AND REPAIR PLANT IS LOCATED IMMEDIATELY SE OF NE END OF RUNWAY. PLANT CONSISTS OF POWER HOUSE, 2 FABRICATION-TYPE BUILDINGS, 2 HANGARS, 10 ASSOCIATED BUILDINGS AND NUMEROUS SMALL SHEDS.
AIRCRAFT -- 39 FAGOT/FRESCO, 3 BEAGLE.

25X1

KUAN-TIEN AIRFIELD WEST 4042N 12436E

APPROXIMATELY 10 NM WSW OF KUAN-TIEN.
APPROXIMATELY 5,700 X 200 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- NONE.

25X1

KUNG-CHU-LING AIRFIELD 4332N 12447E

1.5 NM NW OF KUNG-CHU-LING.
APPROXIMATELY 7,800 X 270 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. SEVERAL HANGARS UNDER CONSTRUCTION ALONG SW SIDE OF RUNWAY. MAINTENANCE AND BARRACKS AREA SW OF RUNWAY. AMMUNITION STORAGE AREA NE OF RUNWAY. BOMBING RANGE NW OF AIRFIELD.
AIRCRAFT -- 18 PROBABLE BEAGLE.

25X1

LA-LIN AREA, AIRFIELD U/C 4514N 12653E

IMMEDIATELY NW OF LA-LIN AIRFIELD.
8,400 X 200 FT NNW/SSE RUNWAY, UNSERVICEABLE, UNDER

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CONSTRUCTION.
AIRCRAFT -- NONE.

25X1

LAI-YANG AIRFIELD 3658N 12035E

5.5 NM WEST OF LAI-YANG.
APPROXIMATELY 7,000 X 250 FT NW/SE CONCRETE RUNWAY,
SERVICEABLE. POL STORAGE AREA SE OF AIRFIELD.
AIRCRAFT -- 46 BEAGLE, AND ONE COLT.

25X1

LIAO-YANG AIRFIELD WEST 4116N 12305E

4 NM WEST OF LIAO-YANG.
7,000 X 260 FT NE/SW PROBABLE CRUSHED ROCK RUNWAY,
SERVICEABLE. ONE HANGAR, 2 POL STORAGE AREAS.
AIRCRAFT -- 57 FAGOT/FRESCO.

25X1

LIAO-YUAN AIRFIELD NORTH 4335N 12333E

APPROXIMATELY 3.5 NM NE OF LIAO-YUAN.
11,200 X 265 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE.
3 POL STORAGE AREAS, RAIL SERVED, EACH WITH 8 BUNKERS,
NW OF RUNWAY. SECURED AMMUNITION STORAGE AREA SW OF
RUNWAY CONTAINING 13 REVETTED STORAGE BUILDINGS AND
2 BUILDINGS UNDER CONSTRUCTION. 2 HANGAR WORKSHOP
BUILDINGS WEST OF PARKING APRON. ILS AT EACH END OF
RUNWAY. SUPPORT BUILDINGS AND BARRACKS NE OF RUNWAY.
AIRCRAFT -- 21 BEAGLE.

25X1

LIU-HO AIRFIELD 4216N 12542E

ONE NM SSW OF LIU-HO, JUST EAST OF THE I-TUNG RIVER.
6,400 X 200 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.
NUMEROUS AIRCRAFT REVETMENTS AND HARDSTANDS SE OF
RUNWAY.

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AIRCRAFT -- NONE.

25X1

LIU-TING AIRFIELD 3615N 12022E

1.2 NM WSW OF LIU-TING.
6,400 X 200 FT N/S CONCRETE RUNWAY, SERVICEABLE.
PARKING APRON EXTENDING FROM SOUTH END OF RUNWAY BEING RE-SURFACED. POL AREA WITH 14 EARTH-COVERED BUNKERS JUST WEST OF RUNWAY. 2 LARGE HANGARS AND OPERATIONS BUILDINGS EAST OF FIELD.
AIRCRAFT -- 83 FAGOT/FRESCO.

25X1

LU SHUN AIRFIELD SOUTH 3847N 12115E

NO AIRFIELD OBSERVED AT 38-47N 121-15E.
AREA COVERED BY CLOUD-FREE PHOTOGRAPHY.

25X1

MUKDEN AIRFIELD NORTH 4152N 12326E

2 NM NORTH OF MUKDEN.
APPROXIMATELY 9,900 X 280 FT N/S CONCRETE RUNWAY. 5 HANGARS AND CONTROL BUILDING SOUTH END OF TAXIWAY.
ADJACENT TO TAXIWAY ON EAST SIDE OF RUNWAY AN AIRCRAFT ASSEMBLY PLANT CONTAINING AT LEAST 17 LARGE ASSEMBLY/FABRICATION BUILDINGS, POWER PLANT, WIND TUNNEL, TEST FIRING REVETMENT, NUMEROUS ADMINISTRATIVE BUILDINGS, BARRACKS, AND STORAGE BUILDINGS.
AIRCRAFT -- 5 FARMER, AND ONE COLT.

25X1

MUKDEN AIRFIELD SE 4147N 12330E

2 NM ESE OF OLD WALLED CITY OF MUKDEN, AND ONE NM NW OF HUN RIVER, SE SECTION OF CITY.
APPROXIMATELY 6,850 X 275 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. RAIL-SERVED POL STORAGE AREA WITH 6 BUNKERS SE OF RUNWAY.

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AIRCRAFT -- 5 FAGOT/FRESCO, AND ONE BEAGLE.

25X1 [redacted]

MUKDEN AIRFIELD SW 4146N 12322E

3.5 NM SW OF MUKDEN.
3,900 X 170 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE.
DEFENSES -- ONE 4-GUN AAA POSITION SE OF RUNWAY.
AIRCRAFT -- NONE.

25X1 [redacted]

MUKDEN AIRFIELD WEST 4149N 12318E

5.5 NM WEST OF MUKDEN.
7,300 X 260 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- TOTAL OF 20, INCLUDING 14 FAGOT/FRESCO, ONE CAB, ONE CRATE, ONE CREEK, 2 COLT, AND ONE SINGLE ENGINE UNIDENTIFIED AIRCRAFT.

25X1 [redacted]

PING FANG AIRFIELD 4536N 12638E

9 NM SOUTH OF HARBIN.
5,500 X 200 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.
HELICOPTER AND PISTON-ENGINE-TYPE AIRCRAFT PLANT ADJACENT TO THE TAXIWAY ON THE SW. LARGE POSSIBLE TRAINING FACILITY WITH BARRACKS AREA AND 3 SMALL SINGLE ENGINE AIRCRAFT ONE NM WEST OF RUNWAY.
AIRCRAFT -- A TOTAL OF 6, INCLUDING -- ONE BEAGLE, ONE COLT, 3 HOUND, AND ONE UNIDENTIFIED SINGLE-ENGINE PISTON AIRCRAFT.

25X1 [redacted]

PORT ARTHUR SEAPLANE STATION 3848N 12116E

ON EAST SIDE OF NORTH END OF HARBOR CHANNEL MOUTH AT PORT ARTHUR.
ONE RAMP AND SMALL SUPPORT AREA VISIBLE. PARTIAL COVERAGE ONLY.

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AIRCRAFT -- NONE OBSERVED.

25X1

PU-LAN-TIEN AIRFIELD 3927N 12201E

5.2 NM NE OF PU-LAN-TIEN RAILROAD STATION.
8,200 X 200 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- 22 FAGOT/FRESCO, ONE CRATE, AND ONE
LIAISON-TYPE.

25X1

PU-LAN-TIEN AIRFIELD SOUTH 3919N 12158E

4.8 NM SOUTH OF PU-LAN-TIEN.
6,230 X 180 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- NONE.

25X1

SAN-SHIH-LI-PU AIRFIELD 3917N 12146E

2 NM NW OF SAN-SHIH-LI-PU.
6,300 X 250 FT NW/SE CONCRETE RUNWAY, SERVICEABLE.
5,700 X 190 FT N/S CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- 23 FAGOT/FRESCO.

25X1

SHEN-CHIA-WANG-KANG AIRFIELD 4540N 12631E

5 NM SW OF HARBIN.
APPROXIMATELY 5,000 X 5,000 FT SOD LANDING AREA,
SERVICEABLE. SMALL SUPPORT AREA AND AMMUNITION STORAGE
ON SOUTH SIDE OF FIELD.
AIRCRAFT -- 13 BAT.

25X1

SSU PING NO 1 AIRFIELD 4308N 12418E

3 NM WSW OF SSU-PING.
APPROXIMATELY 6,000 X 200 FT NE/SW CONCRETE RUNWAY,

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SERVICEABLE. FORMER RUNWAY BEING USED AS PARKING AREA.
AIRCRAFT -- 34 FIGHTER-TYPE.

25X1 [redacted]

SUN-CHIA-TUN AIRFIELD 4540N 12642E

3.5 NM SOUTH OF OLD CITY OF HARBIN.
SOD LANDING FIELD. FORMER NE/SW RUNWAY USED AS PARKING APRON.
AIRCRAFT -- 14 BAT.

25X1 [redacted]

TA-PAO AIRFIELD 4032N 12413E

5 NM SW OF TA-PAO, AND ONE NM WEST OF THE AI RIVER.
APPROXIMATELY 6,000 X 200 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- 20 PROBABLE FIGHTER-TYPE AIRCRAFT.

25X1 [redacted]

TA-TUNG-KOU AIRFIELD 3956N 12408E

4 NM NORTH OF TA-TUNG-KOU.
APPROXIMATELY 6,500 X 200 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- 26 POSSIBLE FIGHTER-TYPE AIRCRAFT OBSERVED.

25X1 [redacted]

TE-HUI AREA, POSSIBLE AIRFIELD U/C 4440N 12600E

17 NM NE OF TE-HUI.
RUNWAY AT LEAST 8,000 FT LONG. PROBABLE ORIENTATION NW/SE.

25X1 [redacted]

TENG-AO-PAO AIRFIELD 4106N 12251E

1.7 NM NE OF TENG-AO-PAO.
6,000 X 180 FT N/S CONCRETE RUNWAY, SERVICEABLE.

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AIRCRAFT -- 45 FARMER, AND 2 FAGOT/FRESCO.

25X1

TSINGTAO AIRFIELD 3609N 12023E

3 NM NNE OF TSINGTAO.
6,300 X 350 FT NW/SE AND 5,500 X 350 FT NE/SW RUNWAYS, BOTH HARD-SURFACED AND SERVICEABLE.
AIRCRAFT -- 3 FAGOT/FRESCO, ONE BEAGLE, AND 2 BAT.

25X1

TSINGTAO SEAPLANE STATION 3602N 12017E

.7 NM SSW OF TSINGTAO.
SEAPLANE STATION IS ACTIVE. LANDING AND TAKE-OFF AREA IS UNLIMITED. 2 RAMPS.
AIRCRAFT -- 6 MADGE.

25X1

TU-CHENG-TZU AIRFIELD 3854N 12115E

1.4 NM SOUTH OF SHIH-HUI-YAO-TUN, 5 NM NORTH OF PORT ARTHUR.
8,050 X 230 FT WNW/ESE CONCRETE RUNWAY, 8,500 X 180 FT WNW/ESE CONCRETE/GRADED EARTH RUNWAY, AND 5,650 X 280 FT N/S CONCRETE RUNWAY, ALL SERVICEABLE.
AIRCRAFT -- 40 BEAGLE, AND ONE SINGLE ENGINE LIAISON-TYPE AIRCRAFT.

25X1

TUNG-HAI AIRFIELD WEST 3435N 11852E

14 NM WEST OF TUNG-HAI.
7,900 X 220 FT NNE/SSW CONCRETE RUNWAY, SERVICEABLE.
HEAVY CLOUDS PRECLUDE FURTHER INTERPRETATION.
AIRCRAFT -- NONE OBSERVED.

25X1

25X1

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YEN-TAI AIRFIELD SOUTH 3724N 12122E

8 NM SOUTH OF YEN-TAI.
6,400 X 200 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.
POL STORAGE AREA WEST AND NW OF RUNWAY.
AIRCRAFT -- APPROXIMATELY 30 FAGOT/FRESCO.

25X1

YING-CHENG-TZU AIRFIELD 3901N 12123E

5 NM NORTH OF YING-CHENG-TZU.
6,600 X 180 FT NE/SW CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- NONE.

25X1

-MISSILES-

AN-TUNG TO SAN-TAO-KOU SUSPECT MISSILE ACT

NO SUSPECT MISSILE ACTIVITY OBSERVED.

25X1

CHANG-CHUN SUSPECT SSM AREA 4354N 12522E

NO MISSILE OR MISSILE-ASSOCIATED ACTIVITY OBSERVED
WITHIN 25-NM RADIUS OF CHANG-CHUN. AREA CLOUD FREE.

25X1

CHING-TAO POSS MISSILE SITE 3609N 12031E

25X1 POSSIBLE MISSILE SITE APPEARS TO BE A PROBABLE BALLOON
LAUNCHING SITE AS REPORTED ON
25X1 AREA CLOUD FREE.

. 25X1

HARBIN SUSPECT MISSILE AREA 4545N 12639E

NO MISSILE RELATED ACTIVITY OBSERVED WITHIN A 25 NM

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RADIUS OF HARBIN. AREA CLOUD FREE.

25X1 [redacted]

HARBIN ROCKET RSCH AND DEV PLANT 4545N 12639E

NO ROCKET RESEARCH AND DEVELOPMENT FACILITY IDENTIFIED IN HARBIN AREA. HARBIN COVERED BY CLOUD-FREE PHOTOGRAPHY.

25X1 [redacted]

SHEN-YANG SUSPECT MISSILE AREA 4148N 12327E

NO SUSPECT MISSILE ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF SHEN-YANG. AREA CLOUD FREE.

25X1 [redacted]

TA-LIEN (DAIREN) SUSPECT MISSILE AREA 3855N 12139E

NO MISSILE OR MISSILE-ASSOCIATED ACTIVITY OBSERVED WITHIN 25-NM RADIUS OF DAIREN. AREA CLOUD FREE.

25X1 [redacted]

-NUCLEAR ENERGY-

25X2 [redacted]

25X1 [redacted]

-CHEMICAL/BIOLOGICAL WARFARE-

25X2 [redacted]

25X1 [redacted]

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25X2

25X1

25X1

-MILITARY ACTIVITY-

CHUANG-HO AREA, MILITARY INSTALLATION 3945N 12256E

4 NM NNW OF CHUANG-HO, APPROXIMATELY 62 NM WEST OF KOREAN BORDER.
INSTALLATION OCCUPIED BY ARTILLERY REGIMENT.
APPROXIMATELY 220 BUILDINGS, INCLUDING APPROXIMATELY 120 BARRACKS. PARKED ARTILLERY PIECES CONSIST OF NINE 4-GUN PROBABLE MEDIUM FA GROUPS AND THREE 6-GUN PROBABLE LIGHT FA GROUPS.
VEHICLES/EQUIPMENT -- 120 TRUCKS.

25X1

HAI-CHENG MILITARY COMPLEX 4051N 12245E

.5 NM NORTH OF HAI-CHENG.
COMPLEX APPEARS TO BE AT LEAST DIVISION SIZE (PROBABLY INFANTRY) WITH POSSIBLE SUPPORTING (ENGINEER AND/OR ORDNANCE) ELEMENTS. 3 TRAINING AREAS NORTH AND EAST.
NO ACTIVITY NOTED IN COMPLEX OR TRAINING AREAS.

25X1

HARBIN AMMO DEPOT MA-CHIA SOUTH UG 4543N 12639E

NO INDICATIONS OF AN UNDERGROUND AMMUNITION DEPOT AT 45-43N 126-39E.

25X1

SHEN-YANG ARSENAL 90TH 4148N 12329E

LOCATED IN EAST SECTION OF SHEN-YANG, APPROXIMATELY ONE NM EAST OF OLD WALLED CITY.

25X1

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INSTALLATION CONSISTS OF MAIN ARSENAL AND A SEPARATE SUB-ARSENAL. THE MAIN ARSENAL (41-48N 123-29E) CONTAINS A LARGE FABRICATION/ASSEMBLY BUILDING, NUMEROUS LARGE WAREHOUSES, POWER PLANT AND SEVERAL ADMINISTRATIVE AND SUPPORT BUILDINGS, RAIL SERVED.
THE SUB-ARSENAL (WEN KUAN TUN) IS LOCATED APPROXIMATELY 2.5 NM EAST OF MUKDEN NORTH AIRFIELD AT 41-52N 123-29E. INSTALLATION COVERS APPROXIMATELY 4 SQ MI AND CONTAINS AT LEAST 15 LARGE FABRICATION/ASSEMBLY BUILDINGS, POWER PLANT, SEVERAL ADMINISTRATIVE BUILDINGS, 24 SCATTERED REVETTED STORAGE BUILDINGS AND APPROXIMATELY 350 WORKERS BARRACKS, RAIL SERVED.

25X1

-NAVAL ACTIVITY-

CHING-TAO INNER HARBOR 3604N 12019E

WNW OF OUTER HARBOR, IN CHIAO-CHOU WAN.
INNER HARBOR USED AS SUBMARINE BASE, PETROLEUM TERMINAL, GENERAL AND BULK-CARGO TRANSFER POINT, AND SHIP REPAIR.
VESSELS -- 9 PROBABLE W-CLASS SUBMARINES (ONE AT FITTING-OUT PIER), 3 DESTROYERS (ONE AT FITTING-OUT PIER), ONE PROBABLE DE, 2 T-43, 2 KRONSHTADT SUB CHASERS, 4 UNIDENTIFIED NAVAL VESSELS, ONE CARGO VESSEL, AND NUMEROUS SMALLER CRAFT.

25X1

CHING-TAO OUTER HARBOR 3604N 12019E

EAST AND SE OF TUAN-TAO.
SITE OF NAVAL TRAINING CENTER AND USED FOR SHIP REPAIR AND IDLE MOORING.
VESSELS -- 12 PROBABLE PT BOATS.

25X1

LU-SHUN NAVAL BASE AND SHIPYARD 3848N 12116E

HARBOR AREA 95 PERCENT COVERED BY CLOUD-FREE PHOTOGRAPHY. NAVAL BASE AND SHIPYARD ON NE SIDE OF BAY. SHIPYARD CONTAINS LARGE BOAT BASIN WITH GRAVING DOCK, 2 MARINE RAILWAYS, AND FABRICATION AND FITTING-OUT SHOPS. NAVAL BASE FACILITIES INCLUDE HOUSING,

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WAREHOUSES, POL STORAGE. QUAYS, WHARVES, AND PIERS EXTEND NORTH TO THE MOUTH OF LUNG HO.
VESSELS -- ONE DESTROYER, ONE DESTROYER ESCORT, ONE W-CLASS SUBMARINE (IN GRAVING DOCK), 2 PROBABLE T-43, 2 KRONSHTADT SUBCHASERS, 11 PT BOATS, AND NUMEROUS SMALLER CRAFT.

25X1

LU-SHUN SUBMARINE BASE 3847N 12114E

ONE NM SSW OF LU-SHUN, ON SOUTH SHORE OF HSI CHIANG. 2 OFFSHORE PIERS, ONE PONTOON PIER, AND ONE FINGER PIER. 10 LARGE BUILDINGS AT LANDING AREA AND AT LEAST 25 BARRACKS/ADMINISTRATIVE/STORAGE-TYPE BUILDINGS BACK FROM SHORE. INCOMPLETE COVERAGE.
VESSELS -- 9 PROBABLE W-CLASS SUBMARINES, AND ONE UNIDENTIFIED VESSEL.

25X1

-COMPLEXES-

AN-SHAN COMPLEX 4107N 12257E

COMPLEX OCCUPIES MOST OF NW SECTION OF AN-SHAN. NEW STEEL PLANT CONTAINING 14 BLAST FURNACES UNDER CONSTRUCTION AT 41-09N 123-05E. SEVERAL INSTALLATIONS WITHIN COMPLEX APPEAR TO BE OF RECENT CONSTRUCTION.

25X1

AN-TUNG COMPLEX 4008N 12424E

IDENTIFICATION ONLY.

25X1

CHANG-CHUN COMPLEX 4352N 12521E

APPROXIMATELY 60 SQ MI IN AREA.
INDUSTRIAL AND TRANSPORTATION CENTER WITH NUMEROUS MILITARY INSTALLATIONS, INCLUDING LARGE AIR FORCE

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TRAINING SCHOOL.

25X1

CHI-LIN (KIRIN) COMPLEX 4351N 12633E

ON WESTERN SIDE OF THE SUNGARI RIVER, 60 NM EAST OF CHANG-CHUN AT 43-51N 126-33E.
APPROXIMATELY 24 SQ MI IN AREA. LARGE ADMINISTRATIVE AND INDUSTRIAL CENTER. INDUSTRIAL FACILITIES AND NUMEROUS BARRACKS AREAS ARE LOCATED IN AND AROUND THE COMPLEX. A MAJOR CHEMICAL INDUSTRY APPROXIMATELY 6 SQ MI IN AREA LIES ACROSS THE RIVER TO THE NE. CHIN-LIN AIRFIELD HAS BEEN ABANDONED TO RESIDENTIAL DEVELOPMENT. SOME OF THE INDUSTRIAL COMPLEXES AND BARRACKS AREAS APPEAR TO BE OF RECENT DEVELOPMENT, SEVERAL ARE UNDER CONSTRUCTION.

25X1

CHIN-HSIEN (CHIN CHOU) COMPLEX 3906N 12143E

APPROXIMATELY 4 SQ MI IN AREA.
LIGHT AND HEAVY INDUSTRIES. SEVERAL RAIL-SERVED STORAGE AREAS SCATTERED THROUGHOUT COMPLEX. PROBABLE ARMOR UNIT LOCATED APPROXIMATELY 3 NM SOUTH OF CHIN-HSIEN AT 39-02N 121-41E.

25X1

CHING-TAO COMPLEX 3604N 12019E

APPROXIMATELY 26 SQ MI IN AREA.
LARGE COMMERCIAL PORT CONTAINING LIGHT AND HEAVY INDUSTRIES, MILITARY BARRACKS, AND SUPPLY/STORAGE AREAS. NAVAL BASE AND PORT FACILITIES ARE LOCATED ON WEST EDGE OF COMPLEX.

25X1

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HARBIN COMPLEX 4545N 12639E

APPROXIMATELY 36 SQ MI IN AREA. LARGE, ADMINISTRATIVE, INDUSTRIAL, AND TRANSPORTATION CENTER LOCATED ON THE SUNGARI RIVER AT THE JUNCTION OF LU-PIN/SUI-FEN-HO RAILROAD AND HARBIN/SHEN-YANG RAILROAD. EXTENSIVE RAIL FACILITIES AND RIVER PORT FACILITIES. SEVERAL HEAVY AND NUMEROUS SMALL INDUSTRIAL FACILITIES ARE IN AND AROUND COMPLEX. STORAGE AND AMMUNITION DEPOTS, EXTENSIVE BARRACKS AREAS, MILITARY SCHOOLS, AND SEVERAL COMMUNICATIONS FACILITIES ARE ALSO LOCATED THROUGHOUT COMPLEX.

25X1 [redacted]

LIAO-YANG COMPLEX 4117N 12311E

APPROXIMATELY 40 SQ MI IN AREA. INDUSTRIAL/RESIDENTIAL COMPLEX CONTAINING SEVERAL INDUSTRIES, NUMEROUS STORAGE AREAS, EXTENSIVE RAIL FACILITIES, AND LARGE ARSENAL. FIELD ARTILLERY UNIT (REGIMENTAL SIZE) LOCATED APPROXIMATELY 2 NM SW OF LIAO-YANG.

25X1 [redacted]

SHANGHAI COMPLEX 3114N 12128E

APPROXIMATELY 80 SQ MI IN AREA. 75 PERCENT OF COMPLEX IS CLOUD-COVERED. NAVAL BASE AND SHIPYARDS NOT VISIBLE. NO SIGNIFICANT CHANGES IN VISIBLE PORTIONS SINCE MISSION [redacted]

25X1 [redacted]

SHEN-YANG COMPLEX 4148N 12327E

APPROXIMATELY 625 SQ MI IN AREA. CONTAINS NUMEROUS LIGHT AND HEAVY INDUSTRIES, 3 RAILYARDS, AT LEAST 3 MILITARY ARSENALS, MILITARY DEPOTS, STORAGE AREAS, AND SEVERAL LARGE, AND

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NUMEROUS SMALL MILITARY BARRACKS AREAS.

25X1

TA-LIEN COMPLEX 3855N 12137E

APPROXIMATELY 35 SQ MI IN AREA.
CONTAINS INDUSTRIES, POL INSTALLATIONS, SUPPLY AND AMMUNITION DEPOTS, RAIL YARDS, AND PORT FACILITIES.
RAIL YARDS APPEAR TO BE FILLED TO 45 PERCENT OF CAPACITY.
VESSELS -- ONE POSSIBLE MINESWEEPER, ONE POSSIBLE PATROL CRAFT, 27 CARGO VESSELS (4 IN DRYDOCK), 10 COASTAL VESSELS, AND AT LEAST 100 MISCELLANEOUS CRAFT.

25X1

-INDUSTRY-

CHANG-CHUN MOTOR VEHICLE PLANT 4352N 12521E

LARGE PLANT APPROXIMATELY 2 SQ MI IN AREA CONTAINING SEVERAL LARGE PRODUCTION SHOPS, POWER PLANT, NUMEROUS ASSOCIATED BUILDINGS AND VEHICLE TESTING TRACK.

25X1

TA-LIEN AREA, SHIPBUILDING FACILITY U/C 3851N 12132E

25X1

6 NM SW OF TA-LIEN, ALONG THE COAST AT 38-51 N
25X1 121-32 E.
WET DOCK UNDER CONSTRUCTION. SLIDING CAISON ENTRANCE ENTERED THROUGH A LONG CHANNEL. POSSIBLE OVERHEAD CRANE UNDER CONSTRUCTION ALONG PART OF CHANNEL LENGTH. WET DOCK CONTAINS 4 POSSIBLE GRAVING DOCKS UNDER CONSTRUCTION (EACH APPROXIMATELY 350 X 50 FT). SEVERAL LARGE BUILDINGS UNDER CONSTRUCTION NEARBY.

25X1

-MISCELLANEOUS-

LIU-HO AREA, UNIDENTIFIED INSTALLATION 4212N 12543E

5 NM SOUTH OF LIU-HO.
2 LARGE TUNNEL ENTRANCES APPROXIMATELY 60 FT WIDE ON

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25X1

EACH SIDE OF A RIDGE. THESE ENTRANCES ARE NOT ON A DIRECT LINE. NO INDICATION OF HIGHWAY OR RAIL CONSTRUCTION IN THE AREA. SPOIL FROM THE INSTALLATION ARE BEING DEPOSITED IN THE VICINITY OF THE ENTRANCES. CONSTRUCTION CAMPS ARE LOCATED IN VALLEYS IN THE VICINITY OF EACH ENTRANCE.

25X1D

25X1

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25X1A

41097

25X1

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